

C L A I M S

1. A bituminous composition which comprises a  
5 bituminous component and a block copolymer which  
comprises at least two blocks of a conjugated diene and  
at least two blocks of a monovinylaromatic hydrocarbon,  
being of the general formula:



10 wherein  $B_1$  is a block of polymerized conjugated diene  
comprising at least 50 mole% isoprene having an  
apparent molecular weight of from 180,000 to 400,000,  $S_1$   
and  $S_2$  are blocks of polymerized monovinylaromatic  
hydrocarbon having a weight average molecular weight of  
15 12,000 to 40,000, and  $B_2$  is a block of polymerized  
conjugated diene comprising at least 50 mole% isoprene  
having an apparent molecular weight of from 15,000 to  
60,000; wherein the weight ratio  $W$  of  $B_1$  over  $B_2$  is in  
the range of 3.0 to 12.0; and wherein the content of  
20 polymerized monovinylaromatic hydrocarbon is in the  
range from 10 to 35 wt.%.

2. A bituminous composition as claimed in claim 1,  
wherein polymer blocks  $B_1$  and  $B_2$  each independently  
comprise at least 80 mole%, preferably at least 99  
25 mole% isoprene.

3. A bituminous composition as claimed in claim 1,  
wherein polymer blocks  $S_1$  and  $S_2$  each independently  
comprise at least 80 mole%, preferably at least 99  
mole% styrene.

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4. A bituminous composition as claimed in claim 1, wherein polymer block B<sub>1</sub> has an apparent molecular weight of from 250,000 to 350,000.
5. A bituminous composition as claimed in claim 1, wherein polymer blocks S<sub>1</sub> and S<sub>2</sub> each independently have a molecular weight of from 20,000 to 35,000.
6. A bituminous composition as claimed in claim, wherein the weight ratio W is in the range of from 4.0 to 8.0, preferably about 6.0.
7. A bituminous composition as claimed in claim 1, which comprises on the total weight of the bituminous composition from 70 to 95 wt.% of the bituminous component and from 30 to 5 wt.% of the block copolymer.
8. A bituminous composition as claimed in claim 1, wherein the bituminous component has a penetration of less than 300 dmm (decamilimeters) at 25°C.
9. A block copolymer which comprises at least two blocks of a conjugated diene and at least two blocks of a monovinylaromatic hydrocarbon, being of the general formula:
- $$S_1--B_1--S_2--B_2$$
- wherein B<sub>1</sub> is a block of polymerized conjugated diene comprising at least 50 mole% isoprene having an apparent molecular weight of from 180,000 to 400,000, S<sub>1</sub> and S<sub>2</sub> are blocks of polymerized monovinylaromatic hydrocarbon having a weight average molecular weight of 12,000 to 40,000, and B<sub>2</sub> is a block of polymerized conjugated diene comprising at least 50 mole% isoprene having an apparent molecular weight of from 15,000 to 60,000; wherein the weight ratio W of B<sub>1</sub> over B<sub>2</sub> is in the range of 3.0 to 12.0; and wherein the content of polymerized monovinylaromatic hydrocarbon is in the range from 10 to 35 wt.%.

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10. Use of the bituminous composition of claim 1 as a coating.

11. A self-adhesive shingle or roofing felt membrane comprising a substrate or mat to which has been applied

5 the composition of claim 1.